**26**. A method for temperature mitigation, the method comprising;

receiving temperature data of an internal component of an enclosed computing device;

estimating a temperature of an external surface of the computing device by applying attenuation, filtering, and delay to the temperature data of the internal component;

comparing an estimation of the temperature of the external surface of the computing device to a programmed threshold, wherein the programmed threshold corresponds to a temperature limit of the external surface of the computing device;

reducing an operating parameter of a computer processor of the computing device in response to the comparing; and

subsequently increasing the operating parameter of the computer processor in response to determining that the estimation of the temperature of the external surface of the computing device has decreased.

**27**. The method of claim **26**, wherein reducing the operating parameter of the computer processor comprises reducing an operating frequency of the computer processor.

**28**. The method of claim **26**, wherein receiving temperature data of an internal component comprises receiving temperature data from a thermistor disposed in the computer processor, disposed in a package including the computer processor, or disposed on a printed circuit board including the computer processor.

**29**. The method of claim **26**, wherein the method is performed by a software kernel of the computer processor.

**30**. The method of claim **26**, wherein reducing an operating parameter of the computer processor comprises reducing a voltage of the computer processor.

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